

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A fluidized bed boiler furnace comprising:

two hearths separated by a divider ~~in the~~ that extends upwards from a bottom portion of the furnace, and

at least one panel of heat exchange tubes,

~~the furnace being characterized in that~~ wherein the panel of tubes is disposed vertically above said divider and perpendicularly to the longitudinal direction (A) of said hearths, such that the panel of tubes extends from a top of said divider towards a ceiling of the furnace.
2. (currently amended) The furnace of claim 1, comprising a row of the panels of tubes spaced regularly from one another along said longitudinal direction.
3. (currently amended) The furnace of claim 1, in which the tubes forming a ~~the~~ panel of tubes extend the extends from tubes forming the divider.
4. (currently amended) The furnace of claim 1, comprising alternating panels whose tubes extend ~~the~~ from tubes forming the divider, and panels whose tubes are connected to a manifold disposed within the divider.

Amendment under 37 C.F.R. § 1.111
U.S. Application No. 10/508,798

5. (Currently Amended) The furnace according to claim 1, including a ceiling to which each panel of tubes is secured in such a manner that the panel of tubes ~~can be~~is put into traction between the divider and the ceiling of the furnace.